



PRODUCT INFO
& DATASHEET

PROCHEL ZINC 15% Zn* (EDTA)

High quality zinc chelate for preventing zinc deficiencies in many agricultural and horticultural crops (both foliar or soil applied)

PRELIMINARY INTRODUCTION TO OUR PROCHEL PRODUCTS

Our PROCHEL products, which are highly chelated and readily soluble and are members of our PROCHEL- range in that they contain both EDTA (100% equivalent on mole:mole basis) and citric acid (this is used to top up the formulation). In other words they are as good as the best known brands, and probably, better effectively in the field. We would actually go further and say that the Prochel Zinc product is the "bee's knees" and that there is nothing out there that is better.

1. PRODUCT DESCRIPTION

PROCHEL ZINC 15% Zn is a quality Zinc Chelate for treating and preventing Zinc deficiencies in many agricultural and horticultural crops.

PROCHEL ZINC 15% Zn is most effective when crops have adequate supplies of major nutrients and water. The crop should not be under any stress for any reason, if the application is to be fully effective. Conditions that are responsible for one deficiency can possibly induce deficiencies of other micronutrients. Always confirm a deficiency before treatment is carried out.
P.S.: We can also produce PROCHEL ZINC 14% Zn EDTA.

2. USE

Zn deficiency Symptoms: Interveinal chlorosis of younger leaves. As the severity increases the plant becomes stunted.

3. APPLICATION & DIRECTIONS FOR USE

PROCHEL ZINC 15% Zn can be both foliar or soil applied.

Dissolve the required amount of **PROCHEL ZINC 15%** in a convenient volume of water and apply to soil or foliage. Application by trickle irrigation equipment is both economical and very effective.

*** SOIL APPLICATIONS AND HOW TO USE:**

The appropriate quantity of **PROCHEL ZINC 15% Zn** should be dissolved in water of a convenient volume, to suit the application equipment and give even ground cover.

- Perennial crops

Apply as a coarse low-pressure spray in a circular band under the limit of the canopy.

For best results, nutrients should be in the root zone before seasonal growth starts and this is achieved by appropriate application timing.

- General Crops

Use a coarse low-pressure spray just before the last cultivation prior to sowing or planting.

Apply between the rows, where crops are established.

Rates of use: Apply 1.5 – 6.0kg/ha depending on the deficiency and crop size.

*** FOLIAR APPLICATIONS AND HOW TO USE:**

The appropriate quantity of **PROCHEL ZINC 15% Zn** should be dissolved in water of a convenient volume, to suit the type of application machinery being used and the target crop leaf area.

- 1) The sprayer should have nozzles that produce a fine mist.
- 2) Only sufficient spray solution should be applied to coat the leaves and stems, with little or no run-off.
- 3) If rain is imminent, spraying should be avoided. If rain falls within 4 hours of application respraying should be carried out 3 – 4 days later.
- 4) Application should be carried out on a calm day but not during strong sunshine or high temperatures.



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- Fruit crops

Do not exceed a solution volume of 0.1% (1gm/l) for any one combination of SICO chelates. Some varieties and cultivars can show unpredictable sensitivity to EDTA chelates. If local knowledge of successful use is not available, it is strongly recommended that a small scale test application is carried out.

- Rates of use.

Field crops severe deficiency:	0.5 – 1.0 kg/ha
Field crops moderate deficiency:	0.25 – 0.50 kg/ha
Fruit crops:	0.5 kg/ha (maximum spray concentration of 0.1%)

- Water volume: The amount of **PROCHEL ZINC 15% Zn** that will be applied should be mixed with a volume of water appropriate to the leaf area and application machine being used.

Arable crops:	200-600 litres/ha
Fruit crops:	500-1000 litres/ha

IMPORTANT REMARK: Do not exceed a solution concentration of 0.1% or 100gms/100L water.

If using a knapsack sprayer make a solution using 0.5-1.0 gram/litre and apply to cover the leaves and stems with a thin film of liquid but avoid run-off.

- Wetting agent

If **PROCHEL ZINC 15% Zn** is being used alone a non-ionic wetting agent should be added at the recommended dose rate.

3. COMPATIBILITY

PROCHEL ZINC 15% Zn is compatible with most agricultural products, however some P fertilisers should be treated with caution. We would recommend the use of the jar test if uncertainty is felt before large scale mixing takes place. The presence of N (eg. dissolved urea 0.01 - 0.5% of the solution) increases the efficacy of the treatment. Always add **PROCHEL ZINC 15% Zn** as the last ingredient to the spray solution.